## How we will use Airflow



### But first...



**Movember** is an annual event involving the growing of moustaches during the month of November to raise awareness of Men's Health issues, such as prostate cancer, testicular cancer, and men's suicide.

https://www.movember.com/

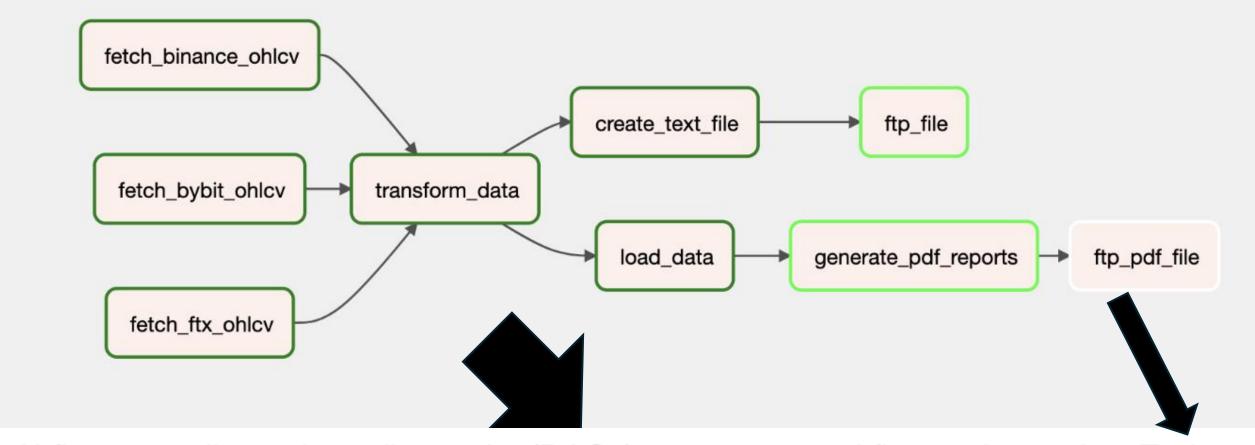
## But what is Airflow...

## Apache Airflow®

Apache Airflow® is a platform created by the community to programmatically author, schedule and monitor workflows.

**Install Airflow** 

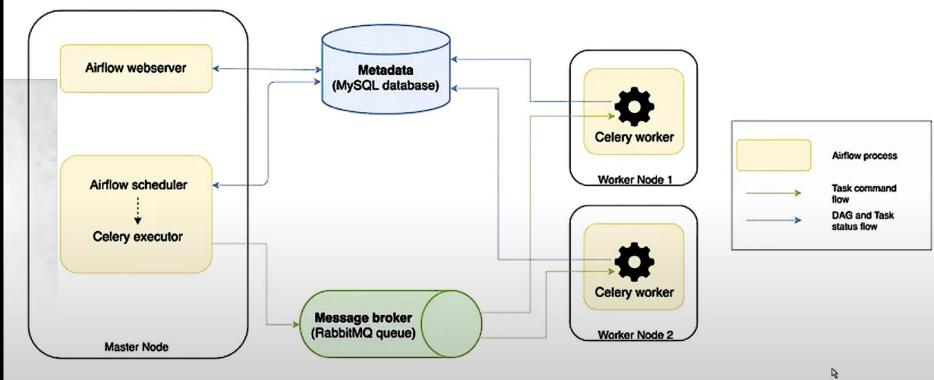
## But what is a workflow



Airflow uses directed acyclic graphs (DAGs) to manage workflow orchestration. Tasks and dependencies are defined in Python and then Airflow manages the scheduling and execution. DAGs can be run either on a defined schedule (e.g. hourly or daily) or based

# But how does it work?

#### **AIRFLOW ARCHITECTURE**

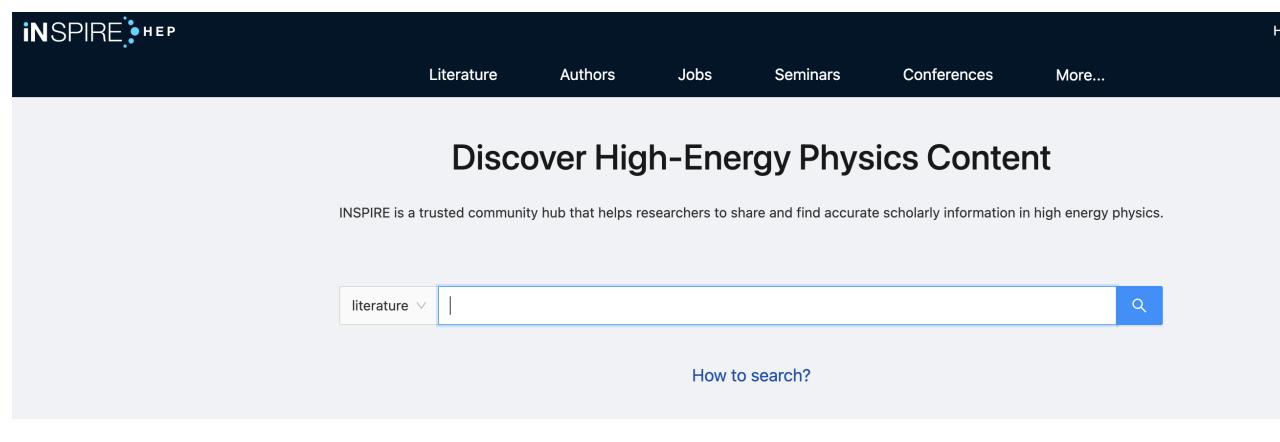


https://www.youtube.com/watch?v=hjhclcf5Zv

Wa%27ilShudar



### But why do we use it at RCS-SIS



**BROUGHT TO YOU BY** 













But why do we need it at RCS-SIS



But why do we need (example)



## But what is your opinion on it?

- ✓ Easy to follow whats happening
- ✓ Python
- ✓ Versatile

https://airflow.apache.org/docs/apache-airflow-providers/operators-and-hooks-ref/index.html

- ❖ No DAG versioning
- Hard to configure
- Steep Learning Curve

## But can you show us a demo?





### But why thank you





**DAGs** 

**Cluster Activity** 

**Datasets** 

Security -

**Browse** 

Admin -

Docs -

#### **DAGs**

